

1842-0018

IN THE CLAIMS:

Please cancel claims 98-116, 199, 120 and 122-124, without prejudice to consideration in a continuing application. Also, please amend claims 117 and 201-203, and add new claims 205-216 as set forth below. A complete listing of the claims and their status follows. This listing replaces and supercedes all prior claim listings.

Claims 1-116 (cancelled)

117. (currently amended) An apparatus for the distraction and support of tissue surfaces in a given direction, comprising a plurality of elements in cooperative contact forming [a] an expandable structure between said tissue surfaces generally extending in the given direction, said elements each being configured for consecutive individual receipt between said tissue surfaces in a direction generally transverse to said given direction to thereby [form] expand said structure and distract said tissue surfaces as said elements are received.

118. (previously presented) The apparatus of claim 117, wherein each element has an interface, the interfaces of elements in contact being configured to provide said cooperative contact.

119. (canceled)

120. (canceled)

121. (previously presented) The apparatus of claim 118, wherein said interfaces are configured to provide constrained degrees of cooperative contact.

122. (canceled)

123. (canceled)

124. (canceled)

1842-0018

125. (previously presented) The apparatus of claim 118, wherein said interfaces are generally flat.

126. (previously presented) The apparatus of claim 125, wherein said structure is defined by a plurality of wafers each having said generally flat interfaces, one wafer being disposed atop another wafer to form said structure.

127. (previously presented) The apparatus of claim 117, wherein said tissue surfaces are superior and inferior surfaces of a damaged or diseased vertebral body in a spine, and wherein said elements are configured for consecutive receipt into said vertebral body to form said structure between said superior and inferior surfaces of said vertebral body.

128. (previously presented) The apparatus of claim 117, wherein said tissue surfaces are superior and inferior endplate surfaces of opposing vertebral bodies in a spine, and wherein said elements are configured for consecutive receipt between said vertebral bodies to form said structure between said superior and inferior endplate surfaces of said opposing vertebral bodies.

129. (previously presented) The apparatus of claim 117, wherein said tissue surfaces are surfaces of a damaged or fractured tibia, and wherein said elements are configured for consecutive receipt between said surfaces to form said column structure between such surfaces.

Claims 130-200 (cancelled)

201. (currently amended) The apparatus of claim 117 wherein each of said plurality of elements is a wafer having a length and a width and further wherein the wafer defining the bottom bottom-most wafer in said structure has a length larger than at least one other wafer in said column structure.

202. (currently amended) The apparatus of claim 117 wherein each of said plurality of elements is a wafer having a length and a width and further wherein the wafer defining the top top-most wafer in said structure has a length larger than at least one other wafer in said column structure.

1842-0018

203. (currently amended) The apparatus of claim 202 wherein said wafer defining said bottom bottom-most wafer in said structure has a length larger than at least one other wafer in said column structure.

204. (previously presented) The apparatus of claim 121, wherein said interfaces define complementary ridges and grooves.

205. (new) A method for distracting in a given direction and permanently supporting two subcutaneous body tissue surfaces comprising consecutively individually introducing a plurality of elements in contact with each other between the tissue surfaces to form an expandable structure therein that expands at least in the given direction and distracts such tissue surfaces in the given direction as elements are consecutively introduced.

206. (new) The method of claim 205 wherein said elements are introduced by moving at least one element to a different position upon introduction of a subsequent element.

207. (new) The method of claim 206 wherein said at least one element is moved by contacting a surface thereof with a surface of said subsequent element.

208. (new) The method of claim 207 wherein the introducing step includes the step of placing an elongated access channel in communication with a space between said tissue surfaces and introducing the elements through said channel.

209. (new) The method of claim 208, further including the step of providing a bone filler in contact with the elements.

210. (new) The method of claim 207 wherein said elements are wafers, said wafers being introduced between said tissue surfaces by stacking one wafer atop another wafer.

211. (new) The method of claim 205, wherein said elements are introduced by sliding one element along a surface of another element.

1842-0018

212. (new) The method of claim 205, further including the step of providing an outer member and introducing said elements into said member.

213. (new) The method of claim 205, wherein said elements have arcuate contact surfaces.

214. (new) The method of claim 205, wherein said elements have generally flat contact surfaces.

215. (new) The method of claim 205, wherein said tissue surfaces are superior and inferior surfaces of a damaged or diseased vertebral body in a spine, and wherein the elements are consecutively inserted into the vertebral body to distract said superior and inferior surfaces until the normal height of the vertebral body is substantially attained.

216. (new) The method of claim 205, wherein said tissue surfaces are superior and inferior endplate surfaces of opposing vertebral bodies in a spine, and wherein the elements are consecutively inserted between said vertebral bodies to distract said opposing superior and inferior endplate surfaces until stability of the vertebral bodies is substantially achieved.